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› [KYB](#) /

› [KYB 341816 Rear Gas Shock Absorber User Manual](#)

KYB 341816

KYB 341816 Rear Gas Shock Absorber User Manual

1. INTRODUCTION

This manual provides essential information for the proper understanding, installation, and maintenance of your KYB 341816 Rear Gas Shock Absorber. Please read these instructions carefully before proceeding with installation or any related procedures. Adherence to these guidelines will ensure optimal performance and longevity of the product.

2. PRODUCT OVERVIEW

The KYB 341816 is a high-quality gas shock absorber designed for the rear suspension of compatible vehicles. It is engineered to provide improved ride comfort, stability, and handling by effectively dampening suspension oscillations. This component is crucial for maintaining tire contact with the road surface and absorbing impacts from road irregularities.



Image 1: A black gas shock absorber, cylindrical in shape, with mounting eyelets at both ends. The shock absorber is designed for rear vehicle suspension.

3. SPECIFICATIONS

Attribute	Value
Manufacturer	KYB
Brand	KYB
Model	341816
Item Weight	1.93 Kilograms
Product Dimensions (L x W x H)	55 x 10 x 10 cm
Item Model Number	341816
Manufacturer Part Number	341816-KYB
OEM Part Number	4853002221

Position	Rear
Material	Alloy Steel
International Article Code	04909500523728

4. SETUP AND INSTALLATION

Installation of shock absorbers requires specialized tools and knowledge. It is highly recommended that installation be performed by a qualified automotive technician. Incorrect installation can lead to vehicle damage, poor performance, or safety hazards.

General Guidelines:

- Ensure the vehicle is safely supported on a lift or jack stands.
- Refer to your vehicle's service manual for specific torque specifications and procedures.
- Always replace shock absorbers in pairs (left and right) on the same axle to maintain balanced suspension performance.
- Inspect all associated suspension components (bushings, mounts, springs) for wear and replace as necessary.
- Do not use power tools to tighten mounting nuts and bolts beyond recommended torque specifications.

5. OPERATING CONSIDERATIONS

Once installed, the KYB 341816 shock absorber operates continuously as part of your vehicle's suspension system. It is designed to provide consistent damping performance under various driving conditions. No specific user operation is required for the shock absorber itself.

Key Functions:

- **Ride Comfort:** Absorbs road impacts and vibrations, providing a smoother ride.
- **Vehicle Stability:** Helps keep tires in contact with the road, improving traction and control.
- **Handling:** Reduces body roll during turns and minimizes nose-dive during braking.
- **Tire Life:** Prevents uneven tire wear caused by excessive bouncing.

6. MAINTENANCE

Shock absorbers are sealed units and generally do not require routine maintenance. However, periodic inspection of your vehicle's suspension system is recommended to ensure optimal performance and safety.

Inspection Points:

- **Visual Check:** Look for signs of fluid leaks around the shock absorber body. A light film of oil is normal, but excessive leakage indicates a worn seal.
- **Mounting Points:** Check for loose or damaged mounting bolts, nuts, and bushings.
- **Physical Damage:** Inspect for dents, bends, or corrosion on the shock absorber body.
- **Performance:** Pay attention to changes in ride quality, excessive bouncing after hitting bumps, or unusual noises from the suspension.

If any issues are detected during inspection, consult a qualified technician for diagnosis and potential replacement.

7. TROUBLESHOOTING

Common issues related to worn or faulty shock absorbers can manifest in various ways. This section outlines typical symptoms and general advice.

Common Symptoms of Worn Shock Absorbers:

- **Excessive Bouncing:** Vehicle continues to bounce after hitting a bump.
- **Poor Handling:** Reduced steering response, increased body roll in turns, or vehicle sway.
- **Nose Dive/Squat:** Front end dips excessively during braking, or rear end squats during acceleration.
- **Fluid Leaks:** Visible oil leaking from the shock absorber body.
- **Uneven Tire Wear:** Scalloped or cupped wear patterns on tires.
- **Vibrations or Noise:** Unusual clunking or rattling sounds from the suspension.

If you experience any of these symptoms, it is advisable to have your vehicle's suspension system inspected by a professional technician. Attempting to diagnose or repair complex suspension issues without proper training and tools can be unsafe.

8. WARRANTY AND SUPPORT

For information regarding the warranty coverage for your KYB 341816 Rear Gas Shock Absorber, please refer to the warranty documentation provided at the time of purchase or visit the official KYB website. Warranty terms and conditions may vary.

For technical support, installation inquiries, or further assistance, please contact KYB customer service through their official channels. Ensure you have your product model number (341816) and purchase details available when contacting support.